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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER BU-120XX
INTERNATIONAL APPLICATION NO. PCT/US05/09726	INTERNATIONAL FILING DATE March 23, 2005	U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/593,655
TITLE OF INVENTION Characterization of Micro- and Nano Scale Materials by Acoustic Wave Generation with a CW Modulated Laser		PRIORITY DATE CLAIMED March 23, 2004
APPLICANT(S) FOR DO/EO/US Todd W. Murray		

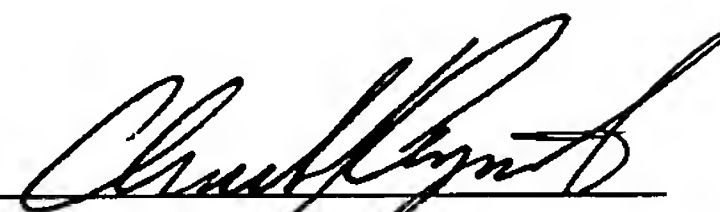
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
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 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
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7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
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9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)) (signed).
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Items 11 to 20 below concern document(s) or information included:

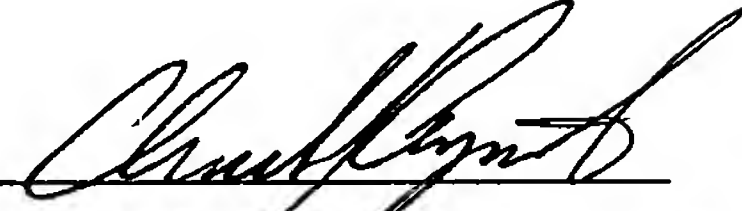
11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98 and Form 1449
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included
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20. ☒ Other items or information: Notification of Missing Requirements (copy) ; surcharge fee check for \$65.00

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/593,655		INTERNATIONAL APPLICATION NO PCT/US05/09726		ATTORNEY'S DOCKET NUMBER BU-120XX			
The following fees have been submitted:				CALCULATIONS		PTO USE ONLY	
21. <input type="checkbox"/> Basic national fee.....		\$300.00		\$			
22. <input type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)		\$100.00		\$			
All other situations		\$200.00					
23. <input type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority		\$100.00					
International Search Report prepared and provided to the Office.....		\$400.00		\$			
All other situations.....		\$500.00					
TOTAL OF 21, 22 and 23 =				\$			
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.							
Total Sheets		Extra Sheets		Number of each additional 50 or fraction thereof (round up to a whole number)		RATE	
- 100 =		/ 50 =				X \$250.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$ 130.00			
CLAIMS		NUMBER FILED		NUMBER EXTRA		RATE	
Total claims		20 - 20 =		0		X \$ 50.00	
Independent claims		1 - 3 =		0		X \$200.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360.00		\$ 0	
TOTAL OF ABOVE CALCULATIONS =				\$ 130.00			
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$ 65.00			
SUBTOTAL =				\$ 65.00			
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(l)).				\$			
TOTAL NATIONAL FEE =				\$ 65.00			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+		\$ 40.00	
TOTAL FEES ENCLOSED =				\$ 105.00			
05/31/2007 LLANDGRA 00000014 10593655 01 TC:2617 65.00 OP				Amount to be Refunded:		\$	
				Amount to be Charged:		\$	
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ 65.00 to cover the above fees, except assignment recordation, is enclosed. A check in the amount of \$ 40.00 is enclosed for the assignment recordation fee.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>23-0804</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p>							
SEND ALL CORRESPONDENCE TO:				which is associated with the Law Firm of:			
<input checked="" type="checkbox"/> Customer Number 00207				WEINGARTEN, SCHURGIN, GAGNEBIN & LEOVICI LLP Ten Post Office Square Boston, Massachusetts 02109 United States Telephone: (617) 542-2290 Fax: (617) 451-0313			
Attorney Signature: 				Date: <u>5-29-7</u>			
Attorney Name: Charles L. Gagnebin III				Registration No: 25,467			

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER BU-120XX
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INTERNATIONAL APPLICATION NO. PCT/US05/09726	INTERNATIONAL FILING DATE March 23, 2005	
TITLE OF INVENTION Characterization of Micro- and Nano Scale Materials by Acoustic Wave Generation with a CW Modulated Laser		
APPLICANT(S) FOR DO/EO/US Todd W. Murray		
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<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$ 65.00	
SUBTOTAL =				\$ 65.00	
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Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 40.00	
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<input checked="" type="checkbox"/> Customer Number 00207			WEINGARTEN, SCHURGIN, GAGNEBIN & LEBOVICI LLP Ten Post Office Square Boston, Massachusetts 02109 United States Telephone: (617) 542-2290 Fax: (617) 451-0313		
Attorney Signature: 			Date: <u>5-29-7</u>		
Attorney Name: Charles L. Gagnebin III			Registration No: 25,467		



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/593,655	Todd W. Murray	BU-120XX

INTERNATIONAL APPLICATION NO.

PCT/US05/09726

I.A. FILING DATE	PRIORITY DATE
03/23/2005	03/23/2004

207

WEINGARTEN, SCHURGIN, GAGNEBIN & LEOVICI LLP
TEN POST OFFICE SQUARE
BOSTON, MA 02109

CONFIRMATION NO. 2977

371 FORMALITIES LETTER



OC000000023527748

Date Mailed: 04/25/2007

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 09/21/2006
- Copy of the International Search Report filed on 09/21/2006
- Preliminary Amendments filed on 09/21/2006
- Information Disclosure Statements filed on 09/21/2006
- Oath or Declaration filed on 09/21/2006
- Request for Immediate Examination filed on 09/21/2006
- U.S. Basic National Fees filed on 09/21/2006
- Priority Documents filed on 09/21/2006
- Specification filed on 09/21/2006
- Claims filed on 09/21/2006
- Abstracts filed on 09/21/2006
- Drawings filed on 09/21/2006

BY: **RECEIVED**
[Signature]
APR 27 2007
**WEINGARTEN, SCHURGIN,
GAGNEBIN & LEOVICI LLP**

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
 - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath

or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$65** for a Small Entity:

- **\$65** Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web:
<https://portal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

VONDA M WALLACE

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